

Operations

Feature panel

NOTE

- When you change the temperature on the panel, the panel displays the actual temperature inside the refrigerator until the temperature matches the temperature you set. Then, the panel displays the new set temperature. Note that it will take time for the refrigerator to reach the new temperature. This is normal. During this time, you do not need to set the temperature again.
- To ensure optimal performance, we recommend setting the temperature to 0 °F (-18 °C) for the freezer, and 37 °F (3 °C) for the fridge.
- The temperature in the refrigerator may rise if you open the door frequently or put a large amount of food into the refrigerator. If this happens, the temperature display blinks until the refrigerator returns to the specified temperature settings
- If a communication error occurs between the temperature display and the main controller, this blinking continues for an extended time. Contact a local Samsung service center for technical assistance.
- The display of the main panel turns on only if the door is opened and turns off if the door is closed.
- If you set Control Lock on the main panel, the main panel locks automatically 1 minute after inactivity.

01 Fridge / °F <->°C (3 sec)

Fridge	<p>You can use the Fridge button to set the fridge temperature.</p> <ul style="list-style-type: none">• Press Fridge repeatedly to select a desired temperature between 34 °F (1 °C) and 44 °F (7 °C).<ul style="list-style-type: none">◦ The temperature indicator displays the currently set or selected temperature
°F <-> °C	<p>You can also use the Fridge button to switch the temperature scale between Celsius and Fahrenheit.</p> <p>To switch the temperature scale, press and hold Fridge for 3 seconds to change the current temperature scale.</p>



02 Power Cool (3 sec) Power Cool speeds up the cooling process at maximum fan speed. This is useful to quickly cool food that spoils quickly, or after the door is left open for some time. The fridge keeps running at full speed for several hours and then returns to the previous temperature. Press and hold Power Cool for 3 seconds.

03 Freezer / Power Freeze (3 sec)

Freezer	<p>You can use the Freezer button to set the freezer temperature.</p> <ul style="list-style-type: none"> • Press Freezer repeatedly to select a desired temperature between 5 °F (-15 °C) and -8 °F (-23 °C). <ul style="list-style-type: none"> ◦ The temperature indicator displays the currently set or selected temperature.
Power Freeze	<p>Power Freeze speeds up the freezing process at maximum fan speed. The freezer keeps running at full speed for 50 hours and then returns to the previous temperature.</p> <ul style="list-style-type: none"> • To activate Power Freeze, press and hold Freezer for 3 seconds. The corresponding indicator () lights up, and the refrigerator will speed up the freezing process for you. • To deactivate, press and hold Freezer for 3 seconds again. The freezer returns to the previous temperature setting. • To freeze large amounts of food, activate Power Freeze for at least 20 hours before putting food in the freezer. <p>NOTE Using Power Freeze increases power consumption. Make sure you turn it off and return to the previous temperature if you do not intend to use it.</p>

04 Ice Maker / Filter Reset (3 sec)



Ice Maker	<p>Press Ice Maker to turn the ice maker on or off.</p> <p>The ice maker has 2 indicators (Ice Maker On / Ice Maker Off) to indicate its operating status.</p> <ul style="list-style-type: none"> • When the ice maker operates, the corresponding indicator (Ice Maker On) turns on. • When the ice maker is turned off, the corresponding indicator (Ice Maker Off) turns on. In this case, ice making is disabled even if you press the Cubed Ice or Crushed Ice buttons on the dispenser panel. To enable ice making, you must turn the ice maker on. <p>NOTE If the fridge part ice maker is turned off, it will turn on if you press and hold the ice lever for more than 5 seconds</p>
Filter Reset	<p>After about 6 months (and typically, about 300 gallons (1200 L) of water), the Filter indicator blinks red for several seconds when you open the door, reminding you that the filter needs to be replaced.</p> <p>When this happens, replace the filter, and then press and hold Filter Reset for 3 seconds. The filter lifecycle will be reset and the Filter indicator turns off.</p> <p>NOTE</p> <ul style="list-style-type: none"> • Some regions have relatively large amounts of lime in their water. This can reduce the lifecycle of the filter. In these areas, you will have to replace the water filter more often than specified above. • If water is not dispensing properly, the water filter is most likely clogged. Replace the water filter.

05 Door Alarm

- If the door is left open for more than 2 minutes, an alarm will sound and the alarm indicator will blink. You can toggle the alarm on and off by pressing Door Alarm. The alarm is enabled by factory default.
- If the door is left open for 5 minutes, internal light (in the fridge, freezer) will blink for 5 minutes and turn off. This is for alerting the hearing-impaired person, and it is normal.

06 Lock (3 sec)

- To prevent accidental setting changes, press and hold Lock for 3 seconds. The main panel will be disabled and the Lock indicator () will turn on.
- When Lock is on, the indicator blinks if any button on the main panel is pressed. If you press and hold the button again for more than 3 seconds, Lock will be deactivated. However, Lock will be reactivated if no button is pressed within 1 minute.

- NOTE Lock on the main panel does not affect the dispenser. The dispenser operates independently and so does the dispenser lever. To lock the dispenser and the dispenser lever, use the Lock function on the dispenser.

07 Sabbath Mode: The Sabbath mode stays active for 85 hours once it is activated. After that, it will be deactivated automatically.

- To activate, press and hold Door Alarm and Lock simultaneously for 5 seconds to enter Sabbath mode. Then the refrigerator operates in Sabbath mode where the buttons, the display, and the room lamps are all under control.
- To deactivate, press and hold the buttons again for 5 seconds to exit Sabbath mode

NOTE Even after the refrigerator powers off and restarts, the Sabbath mode remains active. To exit, you must deactivate it first.

08 Cooling Off

- Cooling Off mode (also called Shop mode) is designed for use by retailers when they are displaying refrigerators on a retail floor.
- In Cooling Off mode, the refrigerator’s fan motor and lights operate normally, but the compressors do not run so that neither the refrigerator nor the freezer run the cooling process.
- To enter or exit the Cooling Off mode, press and hold Fridge and Power Cool simultaneously for 6 seconds. Then, when the display blinks, press Lock.
- When the Cooling Off mode is on, the refrigerator chime sounds, and the refrigerator shows “0” on the fridge temperature display and “FF” on the freezer temperature display.

Dispenser panel (applicable models only)

01 Water / Lock (3 sec)

Water	To dispense chilled water, press Water. The corresponding indicator turns on.
Lock (Dispenser panel / Dispenser lever)	<p>To prevent the use of the dispenser panel buttons and the dispenser lever, press and hold Water for more than 3 seconds.</p> <p>If you press and hold the button again for more than 3 seconds, the dispenser lock will be deactivated. When dispenser lock is on, the indicator blinks if any button on the dispenser panel is pressed or the dispenser lever is pressed.</p> <p>NOTE The Lock on the dispenser panel does not affect the controls on the main panel. To lock the main panel, use the Lock function on the main panel.</p>



02 Cubed Ice

Cubed Ice	Press Cubed Ice to dispense cubed ice. The corresponding indicator turns on.
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03 Crushed Ice

Crushed Ice	Press Crushed Ice to dispense crushed ice. The corresponding indicator turns on.
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Special features

Water/Ice dispenser (applicable models only): Using the dispenser, you can dispense water with or without ice. The water dispenser offers 3 options: chilled water, cubed ice, and crushed ice. To dispense chilled water, press Water on the dispenser panel. Put a water glass under the dispenser, and then push the dispenser lever.

To dispense water with ice

1. With the Ice Maker enabled, press Cubed Ice or Crushed Ice to select the ice type.
2. Put a water glass under the dispenser, and then push the dispenser lever with the glass. Ice will be dispensed from the dispenser.
3. Press Water to select water.
4. Push the dispenser lever with the glass. Water will be dispensed from the dispenser.

Auto ice maker (applicable models only)

The refrigerator has a built-in ice maker that automatically dispenses ice so that you can enjoy filtered water with cubed or crushed ice.

Ice making: After you have installed your refrigerator and plugged it in, follow these instructions to ensure proper ice making and to keep the ice bucket full of ice:

1. Let the refrigerator operate for at least 24 hours to ensure optimal performance.
2. Dispense the first 4 to 6 ice cubes into a glass.
3. Wait another 8 hours and dispense another 4 to 6 ice cubes.
4. Then, wait another 16 hours and dispense the first glass-full of ice.

Diagnosis

If ice does not dispense, first check the ice maker.

1. Press Test on the bottom of the ice maker. You will hear a chime (ding-dong) when you press the button.
2. You will hear another chime if the ice maker is operating properly

If You Turn the Ice Maker Off

- If you press Ice Maker to turn the ice maker off, make sure to remove all ice cubes from the ice bucket. Remaining ice cubes may clump together, making it difficult to remove them.
- To remove the ice bucket, see the Icemaker bucket (applicable models only) section

Water clouding

- Water supplied to the refrigerator flows through a core alkaline filter. During this filtering process, the water pressure of the water increases and the water becomes saturated with oxygen and nitrogen. This causes the water to look misty or cloudy temporarily when dispensed. This is normal and the water will look clear after a few seconds.

Twist ice maker (applicable models only)

1. Open the freezer door, and slide open the ice tray.
2. Fill the tray with water up to the maximum level (A) marked on the inner rear of the tray.
3. Slide the tray back into position

To secure more storage space (applicable models only)

- If you do not use the ice maker and need more storage space, remove the icemaker bucket (A). Then, insert the Freezer guide (Optional) (B) into the icemaker bucket's place.
- CAUTION: If the ice bucket has been removed, you must turn the ice maker off.
- To secure more space, remove the upper drawer (C), lower drawer (D), and lower drawer cover (E). Then, insert the provided bottom shelf (F).
- NOTE
 - Removing the drawers does not affect the temperature or usage of the freezer.
 - The declared freezer volume is measured with the bottom shelf, after removing the upper drawer, lower drawer, and lower drawer cover.

Maintenance

Handle and care

Icemaker bucket (applicable models only)

If you do not dispense ice for an extended period, ice may form clumps inside the bucket. If this happens, remove and empty the icemaker bucket.

1. To remove the icemaker bucket, gently lift it up and pull out slowly while holding the handgrips with both hands.
2. Remove and empty the icemaker bucket.

3. When done, turn the gear handle on the rear of the bucket by 90°, and then put the bucket back into position. Make sure the bucket is inserted properly until you hear a clicking sound.
4. Press and hold Ice Maker for 3 seconds to reset the ice maker.

CAUTION

- Do not apply excessive force to the bucket cover. The cover may break.
- Do not close the door hard. Water may spill over the ice maker.
- To prevent injury, make sure to clean up any ice or water that has fallen on the floor.
- To prevent accidents or injury, do not let children play with the water dispenser or the ice maker.
- Do not put your hand or an object into the ice chute. This may cause physical injury or product damage.

NOTE

- Any sound from the ice maker is normal, which outputs during the ice making process.
- While the door is open, neither the ice maker nor the water dispenser operates.

Shelves (fridge/freezer)

- Pull the shelf out as far as it goes. Then lift it up and remove it.

Door bins

- To remove a door bins, hold the front sides of the bin and gently lift up to remove.

Drawers

- To remove, pull the drawers out as far as they go, and then lift up slightly and pull.

Drawer cover

- While pushing the left and right hooks underneath the drawer cover, pull the drawer cover to remove.

Cleaning

Interior and exterior

WARNING

- Do not use benzene, thinner, or home/car detergent such as Clorox™ for cleaning purposes. They may damage the surface of the refrigerator and cause a fire.
- Do not spray water onto the refrigerator. This may cause electric shock.

Regularly use a dry cloth to remove all foreign substances such as dust or water from the power plug terminals and contact points.

1. Unplug the power cord.
2. Use a moistened, soft, lint-free cloth or paper towel to clean the refrigerator's interior and exterior.
3. When done, use a dry cloth or paper towel to dry well.
4. Plug in the power cord.

Ice / Water dispenser (applicable models only)

CAUTION: When crushed ice is selected, some residual ice chips may collect in the ice chute. To prevent this, remove the residual ice from the chute using a soft, clean cloth.

Rubber seals

- If the rubber seals of a door become dirty, the door may not close properly and reducing refrigerator performance and efficiency. Use a mild detergent and damp cloth to clean the rubber seals. Then, dry well with a cloth.

Rear panel

- To keep cords and exposed parts of the rear panel free of dirt, vacuum the panel once or twice a year.

CAUTION: Do not remove the rear panel cover. Electric shock may occur.

Replacement

Water filter (applicable models only)

WARNING

- Do not use third-party water filters. Use only Samsung-provided or -approved filters.
- Unapproved filters may leak and damage the refrigerator, causing electric shock. Samsung is not responsible for any damage that may occur from use of third-party water filters.

The Filter Reset indicator (Filter) turns red to let you know it is time to replace the water filter. Before replacing the filter, make sure the water supply line is shut off.

1. Shut off the water supply line.
2. Turn the knob of the filter cartridge 90 degrees counterclockwise (1/4 turn). The filter cartridge unlocks.
3. Pull out to remove the cartridge.
 - If the water filter is severely contaminated, the cartridge may not be easy to remove. If that is the case, use force to remove the cartridge.

- To prevent water leaks from the filter opening, pull the cartridge straight out while removing it.
4. Insert a new filter cartridge. Use only Samsung-provided or approved filters.
 5. Turn the cartridge knob clockwise to lock into place.
 6. Press and hold Ice Maker on the main panel for 3 seconds to reset the life cycle detector. The Filter Reset indicator (Filter) turns off.
 7. When you are done replacing the filter, open the water valve and run water through the dispenser for about 7 minutes. This is to remove impurities and air from the water line.

NOTE

- A newly installed filter may cause the water dispenser to spurt water briefly. This is because air has entered the waterline.
- The replacement process may cause the water dispenser to drip for a short period of time. If it drips, simply wipe up any water on the floor with a dry towel.

Reverse osmosis water filtration system:

- The water pressure of the water supply system to a reverse osmosis water filtration system must be between 30 to 120 psi (206 to 827 kPa).
- The water pressure of the reverse osmosis water filtration system to the refrigerator's cold water line must be at least 40 psi (276 kPa). If the water pressure is below these specifications:
 - Check if the sediment filter in the reverse osmosis system is blocked. Replace the filter if necessary.
 - Refill the water tank in the reverse osmosis system with water.
 - If your refrigerator has a water filter, it may further reduce the water pressure when used in conjunction with a reverse osmosis system. Remove the water filter.
- For more information or servicing, contact a licensed plumbing professional.

Ordering a new filter: To purchase a new water filter, contact a local Samsung service center.

LED Lamps

- To replace the lamps of the refrigerator, contact a local Samsung service center.
- **WARNING:** The lamps are not user-serviceable. Do not attempt to replace a lamp yourself. This can cause electric shock.

Troubleshooting

Before calling for service, review the checkpoints below. Any service calls regarding normal situations (No Defect Cases) will be charged to users.

General

Temperature

Symptom	Possible causes	Solution
<p>Fridge/freezer does not operate.</p> <p>Fridge/freezer temperature is warm.</p>	<p>Power cord is not plugged in properly</p> <p>Temperature control is not set correctly</p> <p>Refrigerator is located near a heat source or direct sunlight.</p> <p>Not enough clearance between refrigerator and nearby walls or cabinets.</p> <p>The refrigerator is overloaded. Food is blocking the refrigerator vents.</p>	<p>Properly plug in the power cord.</p> <p>Set the temperature lower.</p> <p>Keep the refrigerator away from direct sunlight or a heat source.</p> <p>We recommend that the gap between the refrigerator and nearby walls (or cabinets) is more than 2" (50 mm).</p> <p>Do not overload the refrigerator. Do not allow food to block vents.</p>
<p>Fridge/freezer is over-cooling.</p>	<p>Temperature control is not set correctly.</p>	<p>Set the temperature higher</p>
<p>Interior wall is hot.</p>	<p>Refrigerator has heat-proof piping in the interior wall</p>	<p>To prevent condensation from forming, the refrigerator has heat-proof piping in the front corners. If the ambient temperature rises, this equipment may not work effectively. This is not a system failure</p>

Odour

Symptom	Possible causes	Solution
<p>Refrigerator has odours.</p>	<p>Spoiled food</p> <p>Food with strong odours.</p>	<p>Clean the refrigerator and remove any spoiled food.</p> <p>Make sure strong smelling food is wrapped airtight</p>

Frost

Symptom	Possible causes	Solution
Frost around the vents.	Food is blocking the vents.	Make sure no food blocks the refrigerator vents.
Frost on interior walls.	Door is not closed properly	Make sure food does not block the door. Clean the door gasket.

Condensation

Symptom	Possible causes	Solution
Condensation forms on the interior walls.	<p>If door is left open, moisture enters the refrigerator.</p> <p>Food with high moisture content.</p>	<p>Remove the moisture and do not leave a door open for extended periods of time.</p> <p>Make sure food is wrapped airtight.</p>

Water/ice (dispenser models only)



Symptom	Possible causes	Solution
Water flow is weaker than normal.	Water pressure is too low.	Make sure the water pressure is between 20 and 125 psi (138 and 862 kPa).
Ice maker makes a buzzing sound.	The ice maker function is activated, but the water supply to the refrigerator has not been connected	Activate the Ice Maker off.
Ice maker does not make ice.	Ice maker has just been installed. Freezer temperature is too high Dispenser Lock is activated. Ice maker is off.	You must wait for 12 hours for the refrigerator to make ice. Set the freezer temperature below 0 °F (-18 °C) or -4 °F (-20 °C) in warm ambient air. Deactivate dispenser Lock. Turn on the ice maker.
Ice does not dispense.	Ice may jam if the ice dispenser is not used for a long time (approx. 3 weeks) Ice bucket is not properly inserted. Water line is not connected properly or water supply is not on.	If you won't be using the refrigerator for a long time, empty the ice bucket and turn off the ice maker. Make sure the ice bucket is properly inserted Check if the water line is installed correctly. Check if the water line stop cock is closed.
Water does not dispense.	Water line is not connected properly or water supply is not on. Dispenser Lock is activated. A third-party water filter was installed. Water filter indicator turns on or blinks.	Check if the water line is installed correctly. Check if the water line stop cock is closed. Deactivate dispenser Lock. Use only Samsung-provided or approved filters. Unapproved filters may leak and damage the refrigerator Replace the water filter. After replacing, reset the filter indicator sensor.

Do you hear abnormal sounds from the refrigerator?

Before calling for service, review the checkpoints below. Any service calls related to normal sounds will be charged to the user.

These sounds are normal.

- When starting or ending an operation, the refrigerator may make sounds similar to a car engine igniting. As the operation stabilizes, the sounds will decrease.
- While the fan is operating, these sounds may occur. When the refrigerator reaches the set temperature, no fan sound will occur.
- During a defrost cycle, water may drip on the defrost heater, causing sizzling sounds.
- As the refrigerator cools or freezes, refrigerant gas moves through sealed pipes, causing bubbling sounds.
- As the refrigerator temperature increases or decreases, plastic parts contract and expand, creating knocking noises. These noises occur during the defrosting cycle or when electronic parts are working.
- For ice maker models: When the water valve opens to fill the ice maker, buzzing sounds may occur.
- Due to pressure equalizing when opening and closing the refrigerator door, whooshing sounds may occur.

Warning

This content is compiled from multiple sources and is provided for reference purposes only. It may not be complete or fully applicable to all situations. If you are unable to resolve your issue, please contact the product manufacturer or an authorized service provider for official support.